

2826.1000003

**COPY**

1/9

SEQUENCE LISTING

<110> Helicon Therapeutics, Inc.  
Tully, Timothy P.  
Scott, Roderick E.M.  
Bourtchouladze, Rusiko

<120> SCREENING METHODS FOR COGNITIVE  
ENHANCERS

<130> 2826.1000-003

<140> PCT/US03/25942  
<141> 2003-08-19

<150> US 60/404,620  
<151> 2002-08-19

<150> US 60/406,405  
<151> 2002-08-26

<160> 48

<170> FastSEQ for Windows Version 4.0

<210> 1  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> LNA oligonucleotide

<400> 1  
cctccggccgc gtcactca

18

<210> 2  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> LNA oligonucleotide

<400> 2  
ccacgttaaca caccgcgt

18

<210> 3  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> LNA oligonucleotide

<400> 3  
tggtcattta gttaccgggtg

20

<210> 4  
<211> 18  
<212> DNA

<213> Artificial Sequence  
<220>  
<223> LNA oligonucleotide  
  
<400> 4  
gctggttgtc tgcaccag 18  
  
<210> 5  
<211> 18  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> LNA oligonucleotide  
  
<400> 5  
ttttcagctt ctgttaca 18  
  
<210> 6  
<211> 18  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> LNA oligonucleotide  
  
<400> 6  
ctgggcttga actgtcat 18  
  
<210> 7  
<211> 18  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> LNA oligonucleotide  
  
<400> 7  
gctaatgtgg caatctgt 18  
  
<210> 8  
<211> 18  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> LNA oligonucleotide  
  
<400> 8  
tgctggcatg gataacctg 18  
  
<210> 9  
<211> 18  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> LNA oligonucleotide  
  
<400> 9  
gcagatgtatg ttgcata 18

<210> 10  
<211> 18  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> LNA oligonucleotide  
  
<400> 10  
tgtctgcccc ttggggcag 18  
  
<210> 11  
<211> 19  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> LNA oligonucleotide  
  
<400> 11  
gggcgcgcctg gataacgcc 19  
  
<210> 12  
<211> 18  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> LNA oligonucleotide  
  
<400> 12  
ttcactttct gcaatagt 18  
  
<210> 13  
<211> 18  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> LNA oligonucleotide  
  
<400> 13  
tccacagact cctgtgaa 18  
  
<210> 14  
<211> 18  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> LNA oligonucleotide  
  
<400> 14  
aaaggatttc cttcggtt 18  
  
<210> 15  
<211> 18  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> LNA oligonucleotide

<400> 15  
cagaagataa gtcattca 18

<210> 16  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> LNA oligonucleotide

<400> 16  
ttctcaatcc ttggcac 17

<210> 17  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> LNA oligonucleotide

<400> 17  
tggcactgtt acagtgg 18

<210> 18  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> LNA oligonucleotide

<400> 18  
ctgcccactg cttagttg 18

<210> 19  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> LNA oligonucleotide

<400> 19  
gctcctccgt cactgctt 18

<210> 20  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> LNA oligonucleotide

<400> 20  
tgcactaagg ttacagtg 18

<210> 21  
<211> 42  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> oligonucleotide probe

<400> 21  
ggatttcct tcgttttgg gttttctct tggaaagaaa gt 42

<210> 22  
<211> 41  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> oligonucleotide probe

<400> 22  
caatccttgg cacccttgtt ttttctctt ggaaagaaa ag t 41

<210> 23  
<211> 47  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> oligonucleotide probe

<400> 23  
agtctccctc tctgactttt cttcttttt tctcttgaa agaaaagt 47

<210> 24  
<211> 40  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> oligonucleotide probe

<400> 24  
tcctccctgg gtaatggcat ttttctcttg gaaagaaaagt 40

<210> 25  
<211> 44  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> oligonucleotide probe

<400> 25  
ccattgttag ccagctgtat tgctttctt cttggaaaga aagt 44

<210> 26  
<211> 39  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> oligonucleotide probe

<400> 26  
ccggctgagt ggcagctgtt tttctcttgg aaagaaaagt 39

<210> 27  
<211> 40  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 27  
gcctgaggca gcttgaacat ttttctcttg gaaagaaaagt 40  
  
<210> 28  
<211> 41  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 28  
tgctgctttc tcagcaggct tttttctctt gaaaagaaaag t 41  
  
<210> 29  
<211> 43  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 29  
ttagacggac ctctctcttc cgttttctc ttggaaagaa agt 43  
  
<210> 30  
<211> 50  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 30  
gaatcttac tttctgcaat agttgatttt taggcataagg acccggtgtct 50  
  
<210> 31  
<211> 53  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 31  
aatcagttac actatccaca gactcctgtt ttttaggcat aggaccgtg tct 53  
  
<210> 32  
<211> 50  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe

<400> 32  
atgtactgcc cactgctagt ttggtagttt taggcataagg acccgtgtct 50  
<210> 33  
<211> 44  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 33  
ggccctgtac cccatccgta tttttaggca taggaccgt gtct 44  
<210> 34  
<211> 48  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 34  
cattggcat ggttaatgtc tgcattttt ggcataaggac ccgtgtct 48  
<210> 35  
<211> 52  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 35  
gtctgtcat actgtagaat ggtagtagttt ttttaggcata ggaccgtgt ct 52  
<210> 36  
<211> 45  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 36  
agaatctgct gtccatccgt gtttttaggc ataggaccgt tgtct 45  
<210> 37  
<211> 50  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 37  
gtgcgaatct ggtatgtttg tacatctttt taggcataagg acccgtgtct 50  
<210> 38  
<211> 44  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> oligonucleotide probe  
  
<400> 38  
acgccataac aactccaggg tttttaggca taggaccgt gtct . 44  
  
<210> 39  
<211> 23  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 39  
cctgttaggaa ggcctccttg aaa 23  
  
<210> 40  
<211> 29  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 40  
gcatcagaag ataagtcatt caaaaatttt 29  
  
<210> 41  
<211> 19  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 41  
tggtgatggc aggggctga 19  
  
<210> 42  
<211> 23  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 42  
aatgggggtt ggcactgtta cag 23  
  
<210> 43  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 43  
acaacttggc tgctgggcac t 21

<210> 44  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 44  
gcaatgggtgc tagtgggtgc t 21  
  
<210> 45  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> oligonucleotide probe  
  
<400> 45  
gtgttaggaag tgctggggag g 21  
  
<210> 46  
<211> 18  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> LNA oligonucleotide  
  
<400> 46  
cctccggccgc gtcactca 18  
  
<210> 47  
<211> 18  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> LNA oligonucleotide  
  
<400> 47  
.ccacgttaaca caccgcgt 18  
  
<210> 48  
<211> 18  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> LNA oligonucleotide  
  
<400> 48  
tggcactgtt acagtgg 18